# Multimedia interface BMW iDrive CCC Professional (TV level)

**Art. Nr:** IF-BMW-CCC

**General**

The NavInc interfaces allow for connecting audio/video sources to the original navigation system of BMW.

The interface ensures that an input is created on the original BMW iDrive navigation system, on which an external video sources can be connected (e.g. DVD player, DVB-T TV, iPod, etc.). The images will be displayed on the navigation screen. The audio of the video sources will be played in stereo through the original audio system of the car.

The interface is equipped with an extra connection:
- Video input; for the connection or reversing camera.

Besides the interface creates analog signals through CAN-BUS. With this signals it is possible to control a reversing camera or the power supply of an external AV-source.

The following output signals will be available:
+12V switched voltage (max 500mA)
+12V reversing signal (max 1A)

**Features:**
- Audio/Video input
- Camera input
- PAL/NTSC support
- CAN-BUS output signals
- CE-approved
- Plug & Play cable kit
- Extension of double controls (DVD player + DVB-T) possible via steering wheel controls and radio unit.

Camera input via AMP connector

Audio / Video input

**The following is provided in the set:**
- NavInc AV-interface IF-BMW-CCC
- Plug & Play cable kit
- Installation- and user manual
- One year software warranty
- Warranty
- Invoice

**Product specifications**

Voltage: 12V DC
Voltage-operating capacity: 10,5 – 14,8V DC
Standby current: >7 mA
Operating current: 120 mA
Power input: 1,8W
Temperature range: - 30°C up to + 80°C
Weight: 95grs
Dimensions(W x H x D): 90 x 35 x 65mm

**Additional information:**

- Check at the tab “compatibility” on top of this page if your radio or navigation system is suitable for this product.
- It is not possible to connect an original DVB-T TV tuner and an audio/video interface at the same time. The original DVB-T TV tuner must be removed.
- If an original DVB-T TV tuner is available the ‘TV-BMW-CCC’ cable kit must be used (optional)
- Automatic activation of the camera input only possible on interface level.
- It is only possible to activate the TV icon in combination with the TV free module: ‘TFI-BMW-CCCTV’.
- Activation of the TV icon in the iDrive menu via the interface depends on the software version of the car. If it is not possible to activate via the interface the separate OBD TV icon activator must be used.
- Control only possible in combination with TFI-BMW-CCCTV
- With retention of Nightvision when available
- With retention of original reversing camera.

**Optional:**

De NavInc AV-interface can be extended with operating software which enables to control the connected DVD player or DVB-T tuner through the original steering wheel and radio controls. See INTERFACE – operating software: **http://www.navinc.nl/webshop/interface-besturing-software-c-486_489.html**

**Legal information:**

The driver ofthe vehicle should not be inferred from the motion images. In many countries, watching movies while driving is prohibited. Therefore we accept no responsibility for material or personal injuries, directly or indirectly, due to installation of the interface modules.

**Interface and Software basic information:**

The NavInc interfaces are no navigation systems or screens to replace the navigation system. The NavInc interfaces enable the possibilities to connect different Audio/Video sources to the navigation system.

Manufacturers create adjusted software and hardware versions, options and enhancements which ensures that the compatibility of the products cannot be

guaranteed 100%. Compatibility lists are based on customer feedback and experiences and will constantly be updated for optimal customer support.

The functioning of the interfaces may be influenced by software updates from the manufacturer/dealers. In such cases we will provide a software update for this interfaces (not applicable for all products) within one year after invoice date. The costs for (de)-installation of the interface must be paid by the customer and the interface must be supplied to us.

Car manufacturers create adjusted versions of software and updates without having informed third parties about it. We therefore recommend to not update the car if not necessary.

In exceptional cases it is possible that the interface is not accepted by the vehicle, even after replacing the interface or software updates. In such cases, we should looking for an alternative.

**Remarks:**

- Only in combination with iDrive Professional CCC
- It is not possible to connect an original DVB-T TV tuner and an audio/video interface at the same time. The original DVB-T TV tuner must be removed.
- If an original DVB-T TV tuner is available the ‘TV-BMW-CCC’ cable kit must be used (optional)
- Automatic activation of the camera input only possible on interface level.
- It is only possible to activate the TV icon in combination with the TV free module: ‘TFI-BMW-CCCTV’.
- Activation of the TV icon in the iDrive menu via the interface depends on the software version of the car. If it is not possible to activate via the interface the separate OBD TV icon activator must be used.
- Control only possible in combination with TFI-BMW-CCCTV
- With retention of Nightvision when available, not for X5 & X6 use camera switch
- With retention of original reversing camera, not for X5 & X6 use camera switch

**Image of suitable navigation system:**

**iDrive CCC Professional navigation system**

**1-serie**

**3-serie**

**5-serie**

**7-serie**

**X5-serie**

**X6-serie**